

ABSTRACT

The present invention describes a method of inhibiting the growth of an undesired plant by contacting the plant with a herbicidally effective amount of a microcapsule composition. The microcapsule composition includes a dinitroaniline compound and the microcapsule has a median diameter from about 3 micrometers to about 10 micrometers. The present invention further describes a composition for inhibiting the growth of an undesired plant containing a herbicidally effective amount of a microcapsule composition. The microcapsule composition includes a dinitroaniline compound and the microcapsule has a wall with a thickness from about 1 wt. % to about 10 wt. %.



(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/008852 A1

- (51) International Patent Classification⁷: A01N 33/18, 25/12, 25/28
- (21) International Application Number: PCT/EP2003/007254
- (22) International Filing Date: 7 July 2003 (07.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/397,742 22 July 2002 (22.07.2002) US
- (71) Applicants (for all designated States except US): BASF CORPORATION [US/US]; 3000 Continental Drive North, Mount Olive, NJ 07828-1234 (US). BASF AKTIENGESSELLSCHAFT [DE/DE]; ., 67056 Ludwigshafen (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SWEAT, Jonathan [US/US]; 2443 Castalburg Drive, Apex, NC 27502 (US). DEXTER, Robin [US/US]; 541 Freedom Drive, Yardley, PA 19067 (US).
- (74) Agent: VONEND, Michael; Basf Aktiengesellschaft, ., 67056 Ludwigshafen (DE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF USING DINITROANILINE COMPOUNDS AS MICROCAPSULE FORMULATIONS

(57) Abstract: The present invention describes a method of inhibiting the growth of an undesired plant by contacting the plant with a herbicidally effective amount of a microcapsule composition. The microcapsule composition includes a dinitroaniline compound and the microcapsule has a median diameter from about 3 micrometers to about 10 micrometers. The present invention further describes a composition for inhibiting the growth of an undesired plant containing a herbicidally effective amount of a microcapsule composition. The microcapsule composition includes a dinitroaniline compound and the microcapsule has a wall with a thickness from about 1 wt. % to about 10 wt. %.

WO 2004/008852 A1